



## ABSTRACT OF THE DISCLOSURE

The present invention relates to a voice recognition system.

- 5 The present invention presents a voice recognition system that is insensitive to external noise and applicable to actual life by using auditory model and a neural network. It is another object of the present invention to provide a voice recognition system of which the power consumption is small and the efficiency is high by employing a FIR filter and establishing a filter-bank with only additions and shift-operations by using powers-of-two conversion.